

AIRMUNITIONS SPECIFICATIONS

1. One copy of FMS shipping documents shall be furnished to OO-ALC/WMR Attn: Linda Skeen by mail to 6043 Elm Lane, Hill AFB UT 84056-5819 or FAX to (801) 777-1089 and shall include FMS case and requisition numbers.
2. DODIC Number is: MD99
3. Ammunition lot numbering shall be accomplished. Reference MIL-STD-1168B for guidance.
4. Ammunition Data Cards shall be filled out and state quantity/serial number of lot acceptance test units in the remarks block (DI-MISC-80043).
5. Serial numbers are required for each item.
6. Items are to be marked using accepted practices for marking of explosive device (reference MIL-STD-130J for guidance). Minimum item marking shall include Manufacturer Part Number, Lot Number (reference MIL-STD-1168B for guidance), Serial Number, and Date of Manufacture. Item markings shall make no reference to service life or installation procedures.
7. The vendor shall serialize items sequentially for this (each) part number. Do not repeat those numbers used for previous lots until highest possible serial number has been reached. Serial numbers shall be a minimum of 4 digits.
8. Physical Security of Arms, Ammunition & Explosives (AA&E):

Unclassified and non-sensitive AA&E shall be safeguarded to insure controlled access to Department of Defense approved AA&E manufacturing/storage facilities/buildings in accordance with DOD 5100.76M Chapter 1, Section B, Paragraph 4 and AFI 31-209, Chapter 5.
9. Shipping activities shall prepare a Report of Shipment (RESHIP)

*NSN 1377 01 472 6459 IS AN INTERIM HAZARD CLASS (IHC). EXPIRES, 13 DEC 2001.
A COPY OF IHC LETTER MUST ACCOMPANY EACH SHIPMENT
10. Hazard Class/division: 1.3 *
11. Storage Compatibility Group: C
12. DOT Marking: ROCKET MOTORS
13. DOT Class: 1.3C

14. DOT Label: EXPLOSIVE 1.3C

01-20424

15. UN Serial No: 0186

16. UN Proper Shipping Name: ROCKET MOTORS

17. All contractor actions shall be in accordance with MIL-STD-973.

18. All Configuration actions shall be in accordance with the current OO_ALC item/System Configuration Management Plan.

19. The ACO, in accordance with MIL-STD-973, shall have Class II approval authority.

20. Lot Acceptance Test requirements are: IAW UPCO ATP 1734.

21. The contractor shall furnish a Test/Inspection Report, Lot Acceptance Test, (DI-NDTI-80809B).

22. LOT ACCEPTANCE TEST: In the event of a end item firing failure, the contractor shall notify the responsible Air Force Engineering Organization, OO-ALC/WMJ by FAX within 24 hours.

FAX is (801) 777-9484

23. Proposed corrective actions and recommendations shall be furnished in a Failure Analysis and Corrective Action Report (DI-RELI-81315).

24. The age of explosive components (i.e. manufactured cartridges, cast propellant grains, detonating cord etc) except bulk Energetic Material and primers used in the manufacture of these items will not exceed 12 months. Primers shall have been certified/re-certified within the past 12 months unless they are Navy certified and have a 2 year certification. The acceptability of bulk energetic material used in the manufacture of this item will be demonstrated by lot Acceptance Test Data. Non-explosive ingredients such as binders and oxidizers which do not degrade with age, are excluded from this 12 month requirement. The government may waive this requirement on a case-by-case basis (when advantageous to the government) provided the contractor provides all details of the reason for the waiver and the age and lot numbers of the subject components. The waiver (if granted) may be subject to conditions such as sensitivity testing of dehumidification.

AURMUNITIONS SPECIFICATIONS (CONT)

01-20424

REPORT OF SHIPMENT (REPSHIP): Contractor will be responsible to transmit REPSHIP's to the appropriate consignee or CONUS water or air terminal transportation officer(T.O.) at the following Service accountable supply activity: OO-ALC HILL AFB UT//WMR//. Such notice will be transmitted by Electrical means, fax 801-777-1089, or email: jweeks@armament.hill.af.mil or jef.weeks@hill.af.mil To be received 24 hours prior to the arrival of the shipment. A telephone RESHIP to appropriate T.O. Will be made when necessary to ensure receipt in advance of shipment arrival and later confirmed by Message to all addresses.

A copy of the bill of lading does not meet the requirements of a REPHIP for ammunition, explosives and inert components. A REPSHIP will include the following data IAW DOD 4500.32R and the DOD 4500.9-R PART 2(DTR).

FROM: (Shipping Activity

TO: (Domestic Customer or Transshipping Activity Clearance Authority (Ocean) or Customer Service Branch)SCB) (AIR)

INFO: OO-ALC HILL AFB UT//WR//

SUBJECT: REPSHIP

Conveyance Number.

- a. Carrier and routing, bill of lading number, NEW.
- b. Seal number(s) and any other security devices applied, such as locks, wire twists, etc.
- c. Type of Transportation Protective Service (PS), i.e., Signature Tally (ST), Constant Surveillance Service (CS), Rail Armed Guard Surveillance Service (RG), NONE, etc., and TX-GS service number, when applicable.
- d. Shipment date written as a 3-digit day of the year.
- e. ETA written as a 3-digit day of the year.
- f. For surface shipments, ETR number and vessel name and /or voyage number. For air Shipments, enter applicable air release number or N/A.
 - (1) TCN (suffix).
 - (2) NSN and DODIC
 - (3) Dimensions of unitized loads (length, width, height), in inches.
 - (4) Total rounds, total pieces, total weight, total cube.
 - (5) Lot number and NEW. For more than one lot, furnish the lot number, round count, Pieces, weight, cube, and NEW for each lot.
 - (6) Project code, if applicable.
 - (7) Security classification (e.g., sensitive—Category II, SECRET: NONE, ETC.)

(Signature Block)

INSTRUCTIONS FOR COMPLETING DD FORM 1423
(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A.** Self-explanatory.
- Item B.** Self-explanatory.
- Item C.** Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning," "Configuration Management", etc.
- Item D.** Enter name of system/item being acquired that data will support.
- Item E.** Self-explanatory (to be filled in after contract award).
- Item F.** Self-explanatory (to be filled in after contract award).
- Item G.** Signature of preparer of CDRL.
- Item H.** Date CDRL was prepared.
- Item I.** Signature of CDRL approval authority.
- Item J.** Date CDRL was approved.
- Item 1.** See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2.** Enter title as it appears on data acquisition document cited in Item 4.
- Item 3.** Enter subtitle of data item for further definition of data item (optional entry).
- Item 4.** Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5.** Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).
- Item 6.** Enter technical office responsible for ensuring adequacy of the data item.
- Item 7.** Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8.** Specify requirement for approval of a draft before preparation of the final data item.
- Item 9.** For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).
- Item 10.** Specify number of times data items are to be delivered.
- Item 11.** Specify as-of date of data item, when applicable.
- Item 12.** Specify when first submittal is required.
- Item 13.** Specify when subsequent submittals are required, when applicable.
- Item 14.** Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15.** Enter total number of draft/final copies to be delivered.
- Item 16.** Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.

WMC-00-442

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the government Issuing Contracting Officer for the Contract/PR No. in Block E.

A. CONTRACT LINE ITEM NO. B. EXHIBIT A C. CATEGORY: TDP _____ TM _____ OTHER NDTI _____

D. SYSTEM/ITEM 1377010530587ES* E. CONTRACT/PR NO. FD2020-01-20424 F. CONTRACTOR

1. DATA ITEM NO. A002 2. TITLE OF DATA ITEM TEST/INSPECTION REPORTS 3. SUBTITLE LOT ACCEPTANCE TEST

4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B 5. CONTRACT REFERENCE AIRMUNITION SPECIFICATION 6. REQUIRING OFFICE OO-ALC/WMJ

7. DD 250 REQ DD 9. DIST STATEMENT REQUIRED D 10. FREQUENCY ASREQ 12. DATE OF FIRST SUBMISSION BLK 16 14. DISTRIBUTION a. ADDRESSEE b. COPIES draft final reg repr

16. REMARKS
(4) Contractor format is acceptable.
(7) The DD Form 250 shall be annotated with the Lot Number, National Stock Number and Nomenclature.
(10)(12)(13) Submit within 30 calendar days after completion of each Lot Acceptance Test.
(9) DISTRIBUTION STATEMENT D. Distribution authorized to the Department of Defense and U.S. DOD contractors only (Critical Technology)(Date of Contract Award). Other requests shall be referred to (OO-ALC/WMJ).

WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App. 2401 et seq. Violations of these export laws are subject to severe criminal penalties.

* 1377014726459ES

FOB DESTINATION

OO-ALC/WMCM		1	
6034 DOGWOOD AVE			
HILL AFB UT			
84056-5816			
15. TOTAL ----->	0	1	0

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY Betty M. Alverson/WMCA/DM H. DATE 27 DEC 00 I. APPROVED BY Gary C. LeClaire J. DATE 27 DEC 00

WMC-00-442

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
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A. CONTRACT LINE ITEM NO. B. EXHIBIT A C. CATEGORY: TDP _____ TM _____ OTHER RELI _____

D. SYSTEM/ITEM 1377010530587ES* E. CONTRACT/PR NO. FD2020-01-20424 F. CONTRACTOR

1. DATA ITEM NO. A003 2. TITLE OF DATA ITEM FAILURE ANALYSIS AND CORRECTIVE ACTION 3. SUBTITLE REPORT

4. AUTHORITY (Data Acquisition Document No.) DI-RELI-81315 5. CONTRACT REFERENCE AIRMUNITION SPECIFICATION 6. REQUIRING OFFICE OO-ALC/MMJ

7. DD 250 REQ LT 9. DIST STATEMENT REQUIRED D 10. FREQUENCY ASREQ 11. AS OF DATE 12. DATE OF FIRST SUBMISSION BLK 16 13. DATE OF SUBSEQUENT SUBM. ASREQ 14. DISTRIBUTION a. ADDRESSEE b. COPIES draft final reg repr

16. REMARKS
(4) Delete paragraph 10.3.2 of DD Form 1664. Contractor format is acceptable.
(8) Comments/approval/disapproval will be submitted within 30 calendar days after receipt by OO-ALC/MMJ.
(10)(12)(13) Submit within 7 calendar days of each failure. Final within 15 calendar days after receipt of OO-ALCs comments.
(9) DISTRIBUTION STATEMENT D: Distribution authorized to the Department of Defense and U.S. DOD contractors only (Critical Technology)(Date of Contract Award). Other requests shall be referred to (OO-ALC/MMJ).

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FOB DESTINATION

OO-ALC/MMCM		1	
6034 DOGWOOD AVE			
HILL AFB UT			
84056-5816			
15. TOTAL ----->	0	1	0

G. PREPARED BY Betty M. Alverson H. DATE 27 DEC 00 I. APPROVED BY Gary C. LeClaire J. DATE 27 DEC 00

ENGINEERING DATA LIST

REVISION: 02

* HISTORY *

[illegible]

STANDARD ENGINEERING TEXT

ENGINEERING DATA LIST REMARKS

FURNISHED METHOD CODE LEGEND:			
C	-	CLASSIFIED DOCUMENT.	
S	-	FURNISHED WITH SOLICITATION.	
M	-	STABLE BASE DRAWING REQUIRED;	
		FURNISHED WITH CONTRACT AWARD.	
X	-	DATA SUPPLIED (NOT IN EDCARS).	G - GOV'T DOCUMENT.
R	-	FURNISHED BY PCD UPON REQUEST.	O - OTHERS, CONTRACTOR
P	-	PARTIAL DOCUMENT FURNISHED.	MUST ACQUIRE.
V	-	VENDOR DRAWING;	A - DATA NOT
		(NOT PROVIDED).	AVAILABLE.

PACKAGING REQUIREMENTS														
3. INSTRUCTIONS TO CONTRACTING OFFICER: Insert appropriate clause(s) into Section D for applicable item(s) as indicated below.														
AFMCFARS 5352.247-9005, SHIPPING CONTAINER MARKING. ITEM NAME(s) OR NSN/MMAC														
AFMCFARS 5352.247-9006, MARKING OF WARRANTED ITEMS. ITEM NAME(s) OR NSN/MMAC														
AFMCFARS 5352.247-9007, SPECIFICATION COMMERCIAL PACKAGING (ASTM D3951). ITEM NAME(s) OR NSN/MMAC														
AFMCFARS 5352.247-9008, CONTRACTOR COMMERCIAL PACKAGING (Commercial Best Practice). ITEM NAME(s) OR NSN/MMAC														
AFMCFARS 5352.247-9009, MILITARY PACKAGING AND MARKING. ITEM NAME(s) OR NSN/MMAC														
AFMCFARS 5352.247-9010, ENGINEERED OR SPECIALIZED CONTAINERS (CDRS). ITEM NAME(s) OR NSN/MMAC														
AFMCFARS 5352.247-9011, PACKAGING AND MARKING OF HAZARDOUS MATERIAL. ITEM NAME(s) OR NSN/MMAC														
AFMCFARS 5352.247-9012, PACKAGING FOR INSPECTION AND ACCEPTANCE AT DESTINATION. ITEM NAME(s) OR NSN/MMAC														
AFMCFARS 5352.247-9013, PACKAGING DATA (Coded and/or Special Packaging Instructions). ITEM NAME(s) OR NSN/MMAC														
1. PACKAGING REQUIREMENTS: MIL-STD-2073-1 represents Military Preservation and Packing. Military packing consists of A and B levels. ASTM D3951 could be substituted by another document if specified in Block 2. Block 1 shall always be completed and further defined in Blocks 2, 3, or 4. Commercial Best Practice (CBP) and Quantity Per Unit Pack (QUP) are abbreviated.														
2. ADDITIONAL PACKAGING AND CONTAINER MARKING REQUIREMENTS (Specify all revisions and dates of required specifications, standards, and data item descriptions (DIDs))														
4. CODED DATA: Coded requirements shall be interpreted in accordance with MIL-STD-2073-1.														
ITEM														
ORGANIZATION														
PACKAGING SPECIALIST (Typed Name/Signature)														
DATE														

SPECIAL PACKAGING INSTRUCTION

CODE ID

98747

SPI NO. (TPD)

F01-053-0587

SHEET 1 OF 2

PART OR DRAWING NO.

1143-3

NATIONAL STOCK NO.

1377-01-053-0587

CURRENT REV

D

ILL. P. ELLISON

CHK. L. OLIVER

ENGR. E. HANSEN

AUTH. A. BRIMHALL

ITEM NOMENCLATURE

JET THRUST UNIT/ROCKET MOTOR

ORIGINAL DATE

90276

MILITARY PRESERVATION MIL-STD-2073

SERVICEABLE METHOD 41

UNSERVICEABLE METHOD 41

QUP 001

ICQ 020

CLEANING & DRYING IAW MIL-STD-2073

PRESERVATIVE IAW MIL-STD-2073

MARKING IAW MIL-STD-129

SPECIAL MARKINGS:

A) SPI NO. F01-053-0587 MARK THE SPI NUMBER ON ONE SIDE OF THE CONTAINER.

B) APPLY U.N. POP MARKING:



THE ** MEANS ENTER THE LAST TWO DIGITS OF THE YEAR DURING WHICH THE PACKAGING WAS MANUFACTURED.

C) APPLY PROPER SHIPPING NAME:

ROCKET MOTORS UN0186

PACKING AS SPECIFIED BELOW AND BILL OF MATERIALS

LEVEL	SPEC	STYLE	TYPE	CL	VRTY	GR
A	PPP-B-621	2		2		A
B	PPP-B-621	2		2		B

LEVEL A LEVEL B

GROSS CU FT 2.922 2.922

GROSS WT LBS 50 50

DESIGN FRAGILITY G 100 100

LENGTH WIDTH DEPTH

CNTR I.D. 22 1/2 16 1/2 9 1/2

CNTR O.D. 25 1/2 18 11

ITEM DIM 5 1/2 X 1 1/2 DIA

ITEM WT LBS .60

REVISIONS

LTR	DESCRIPTION	DATE
A	UPDATED AND RETESTED	96219
B	CHANGED TEST NUMBER	96260
C	UPDATED SPI	98034
D	UPDATED, RETESTED	00033

CLOSURE IN ACCORDANCE WITH PPP-B-621

NOTICE 1: CLASS 1 (EXPLOSIVE) MATERIAL OWNED BY THE DEPARTMENT OF DEFENSE (DOD), PACKAGED PRIOR TO JANUARY 1, 1990 IN ACCORDANCE WITH THE PACKAGING REQUIREMENTS IN EFFECT AT THAT TIME ARE EXCEPTED FROM THE REQUIREMENTS OF PERFORMANCE ORIENTED PACKAGING (POP) PROVIDED THE PACKAGINGS HAVE MAINTAINED THEIR INTEGRITY AND THE GOODS ARE DECLARED AS GOVERNMENT OWNED GOODS PACKAGED PRIOR TO JANUARY 1, 1990. THIS CLAUSE DOES NOT APPLY TO COMMERCIAL AIR SHIPMENTS. (REF. DLAD 4145.41/AFJI 24-201)

NOTICE 2: ASSETS PACKAGED IN ACCORDANCE WITH PREVIOUS EDITIONS OF THIS SPI DO NOT REQUIRE REPACKAGING.

NOTE:

1. FILL ANY VOID WITH -4.
2. PLACE ITEM IN REF. 1 & 2. THEN PLACE IN REF 3 AND SEAL.
3. PLACE BAGGED ITEMS IN REF -5 USING REF -4 TO INSURE A SNUG FIT.
4. SEAL REF 5 WITH REF -6 AND PLACE IN SHIPPING CONTAINER, USING REF 7, 8, & 9 FOR A SNUG FIT.

P/N	QTY REQD	NOMENCLATURE OR DESCRIPTION	SIZE (INCHES UNLESS SPECIFIED)	MATERIAL SPECIFICATION
-9	2	LINER, TOP & BOTTOM	22 1/4 X 16 1/4 X 1/8	ASTM-D4727, CF, DOM, SW, GR 275
-8	2	LINER, SIDE	22 1/4 X 9 1/4 X 1/8	ASTM-D4727, CF, DOM, SW, GR 275
-7	2	LINER, END	16 1/4 X 9 1/4 X 1/8	ASTM-D4727, CF, DOM, SW, GR 275
-6	40	TAPE	12 X 2	ASTM-D5486, TYPE A, CLASS 1 OR 2
-5	20	CARTON	8 X 4 X 4	ASTM-D5118, RSC, V3c
-4	20	CUSHIONING	AS REQUIRED	A-A-1898, TYPE II, CLASS C
-3	20	BAG	10 X 10	MIL-B-117 TYPE I, CLASS F, STYLE 1
-2	20	CUSHIONING	12 X 12	A-A-1898, TYPE II, CLASS C
-1	20	WRAP	10 X 8	MIL-B-81205 TYPE I, CLASS 1

DD FORM 2169 MOD

COMPUTER GENERATED

DDPDRM/USA/DDD/TR96010

SPI NO. F01-053-0587

SPECIAL PACKAGING INSTRUCTION

CODE ID

98747

SPI NO. (TPO)

01-053-0587

ITEM NOMENCLATURE
JET THRUST UNIT/ROCKET MOTOR

SHEET 2 OF 2

